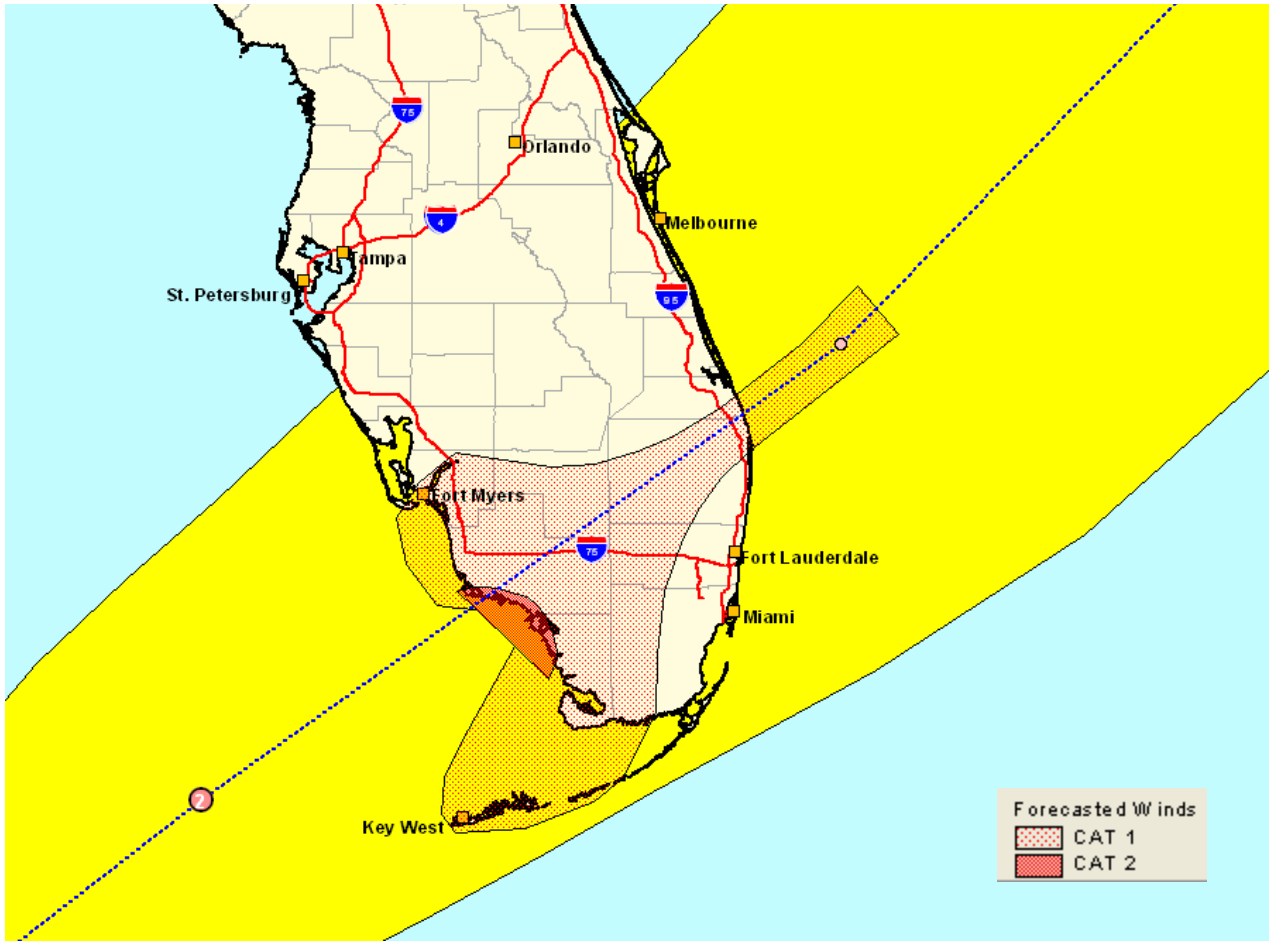
Hurricane Wilma Wind Distribution

Landfall Expected In About **24** Hours

For Official Use Only!



Most Probable Landfall Wind Distribution

This model is based on a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall.

Information provided on this page displays a a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall. These projections are based on information from the NHC ***(0500 EDT 10/23/2005)*** forecast.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Wilma Wind Fields

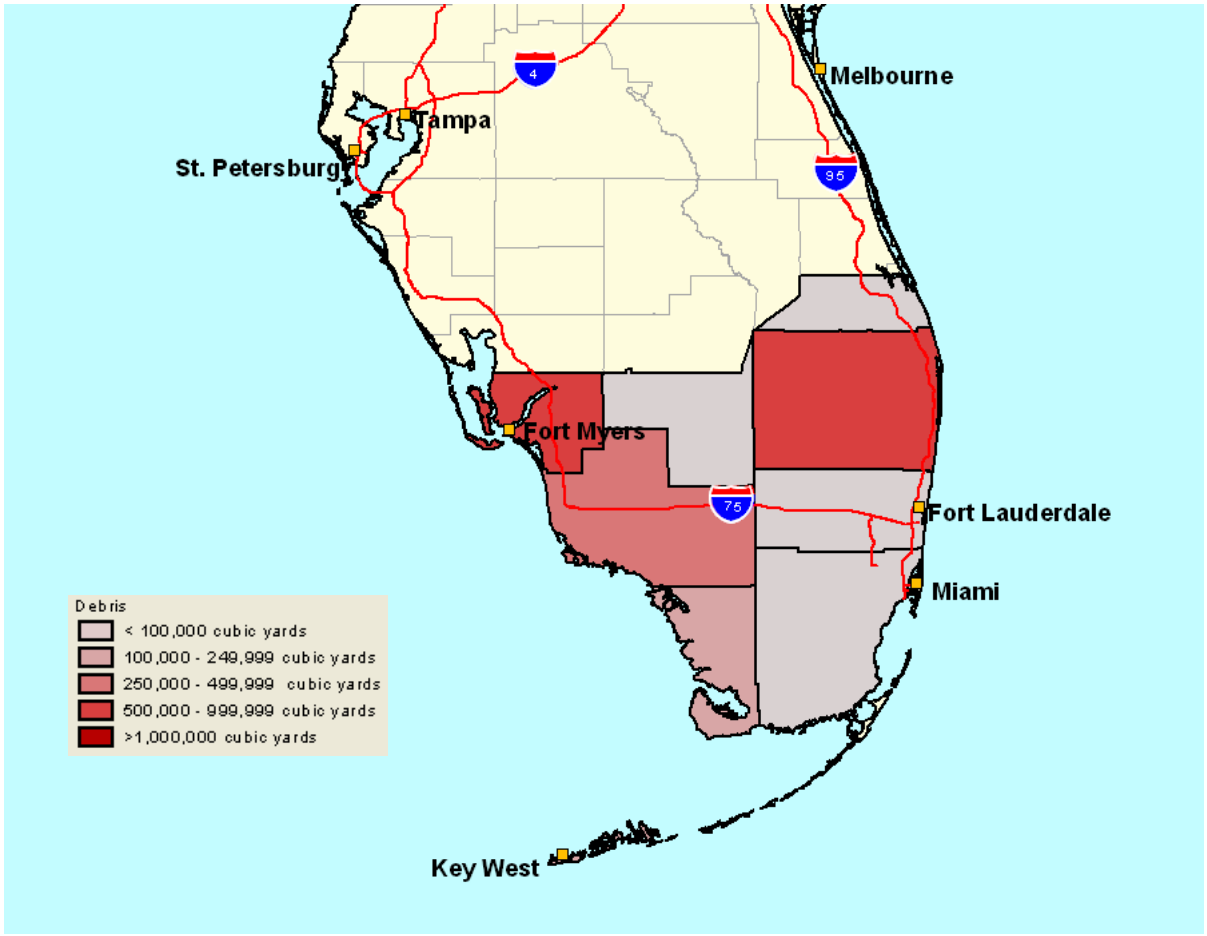
Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Debris Model

Landfall Expected In About **24** Hours

For Official Use Only!



Most Probable Landfall Debris Model Results

Florida – 1,885,000 yd^3

Model results per county on following page

This model is based on a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall.

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Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Wilma Debris Model

Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Debris Model

Landfall Expected In About **24** Hours

For Official Use Only!

State	County	Cubic Yards
Florida		
	Broward	6,000
	Collier	464,000
	Dade	10,000
	Hendry	12,000
	Lee	635,000
	Martin	25,000
	Monroe	104,000
	Palm Beach	629,000
TOTAL		1,885,000

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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US Army Corps of Engineers

Hurricane Wilma Debris Model

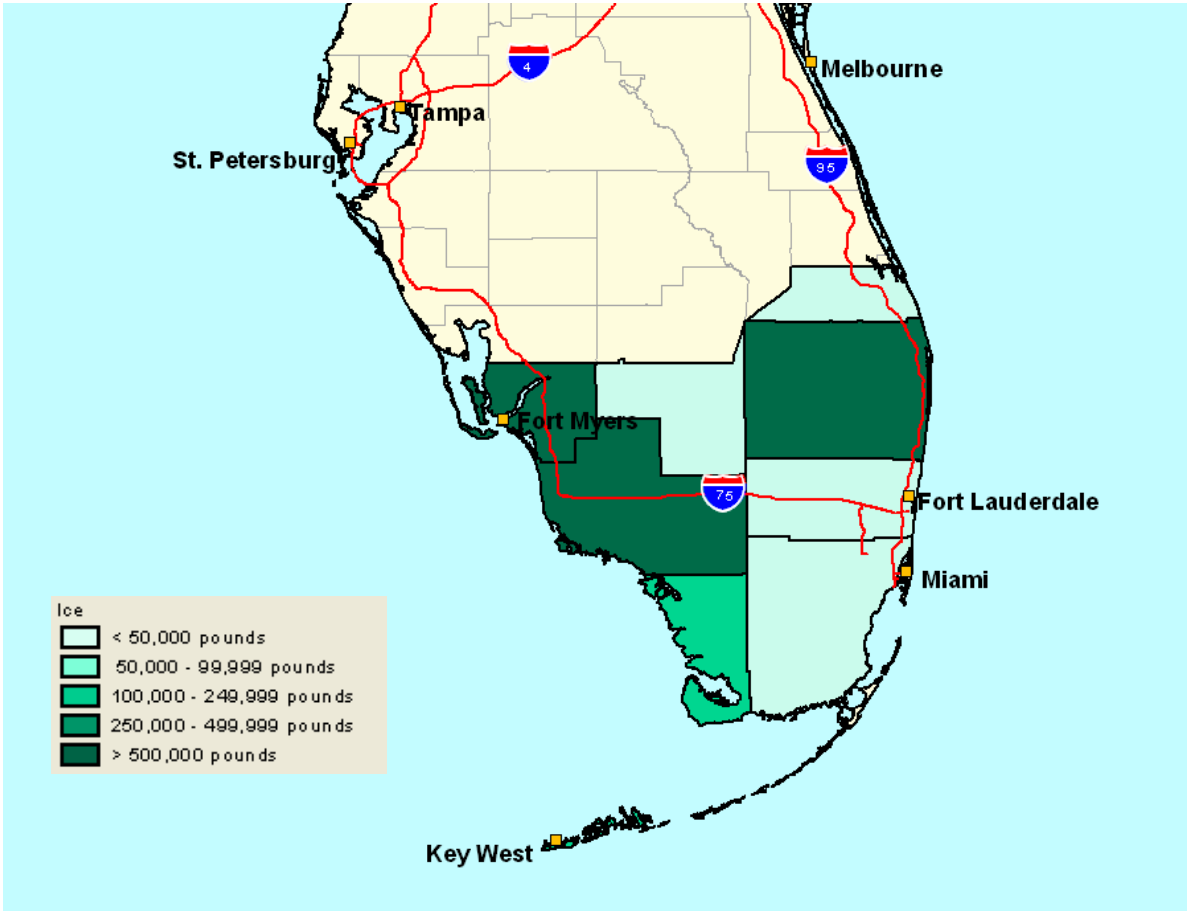
Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Ice Model

Landfall Expected In About **24** Hours

For Official Use Only!



Most Probable Landfall Ice Model Results

Florida –
50 Truckloads Day One
90 Truckloads Day Two
90 Truckloads Day Three

Model results per county on following page

This model is based on a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall.

Information provided on this page displays a a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall. These projections are based on information from the NHC ***(0500 EDT 10/23/2005)*** forecast. The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per day per person) and Ice SME input and represents a first day daily need.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Wilma Ice Model

Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Ice Model

Landfall Expected In About **24** Hours

For Official Use Only!

State	County	Pounds	Truckloads / Cty
Florida			
	Broward	19,000	1
	Collier	801,000	21
	Dade	34,000	1
	Hendry	40,000	1
	Lee	1,136,000	29
	Martin	47,000	2
	Monroe	176,000	5
	Palm Beach	1,198,000	30
TOTAL		3,451,000	90

The amount of ice forecasted is based on Mission Guide Book requirements (8 pounds per person) and Ice SME input and represents a first day daily need. The assumption in this scenario is that 40% of the resident population affected by Wilma will have power outage in this area will cause a need for ice.

Details about this model may be obtained at
https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Wilma Ice Model

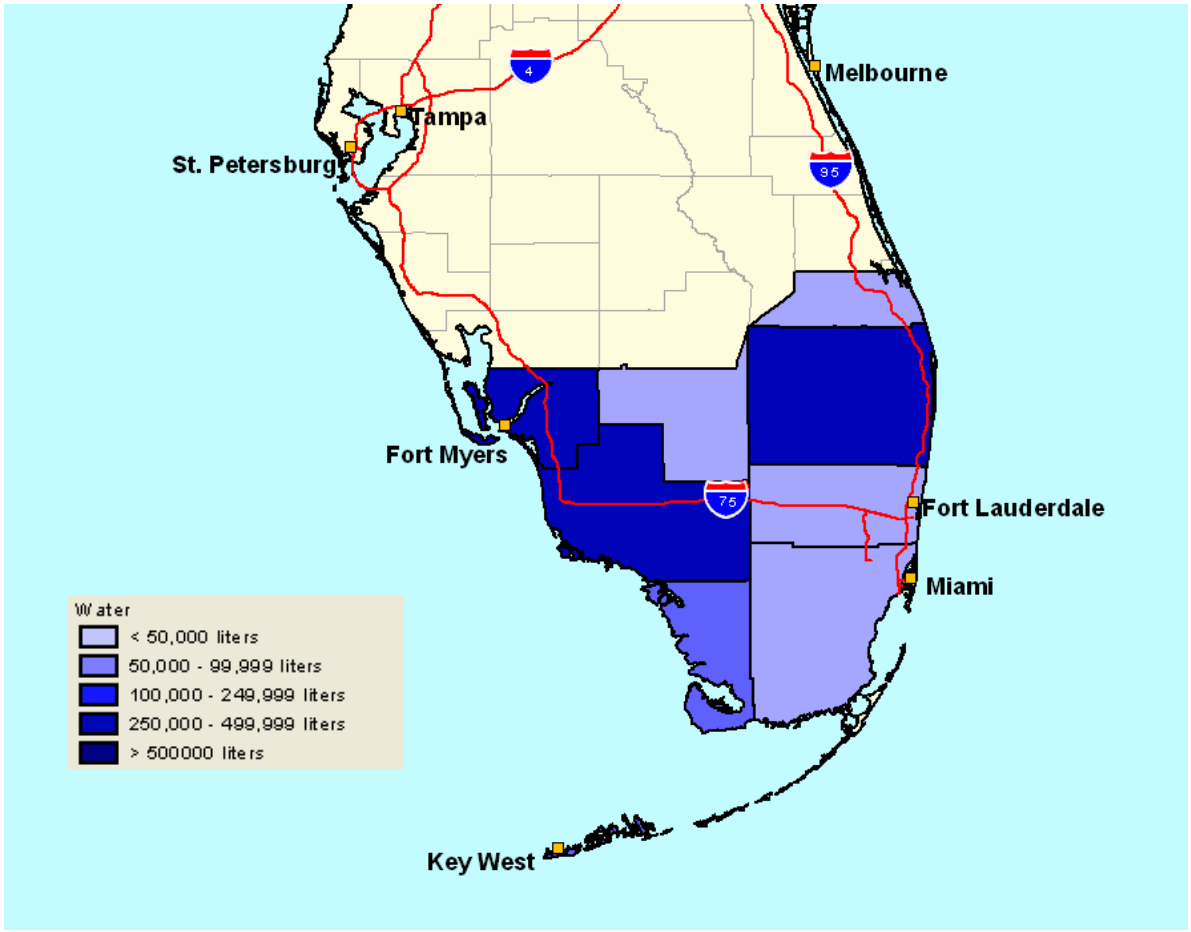
Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Water Model

Landfall Expected In About **24** Hours

For Official Use Only!



Most Probable Landfall Water Model Results

Florida –
50 Truckloads Day One
90 Truckloads Day Two
90 Truckloads Day Three

Model results per county on following page

This model is based on a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall.

Information provided on this page displays a a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall. These projections are based on information from the NHC ***(0500 EDT 10/23/2005)*** forecast. The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person per day) and Water SME input and represents a first day daily need.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Wilma Water Model

Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Water Model

Landfall Expected In About **24** Hours

For Official Use Only!

State	County	Liters per County	Truckloads / Cty
Florida			
	Broward	18,000	1
	Collier	378,000	21
	Dade	18,000	1
	Hendry	18,000	1
	Lee	522,000	29
	Martin	36,000	2
	Monroe	90,000	5
	Palm Beach	540,000	30
TOTAL		1,620,000	90

The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person) and Water SME input and represents a first day daily need. The assumption in this scenario is that 40% of the resident population affected by Wilma will have power outage in this area will cause a need for water.

Details about this model may be obtained at https://englink.usace.army.mil

or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Wilma Water Model

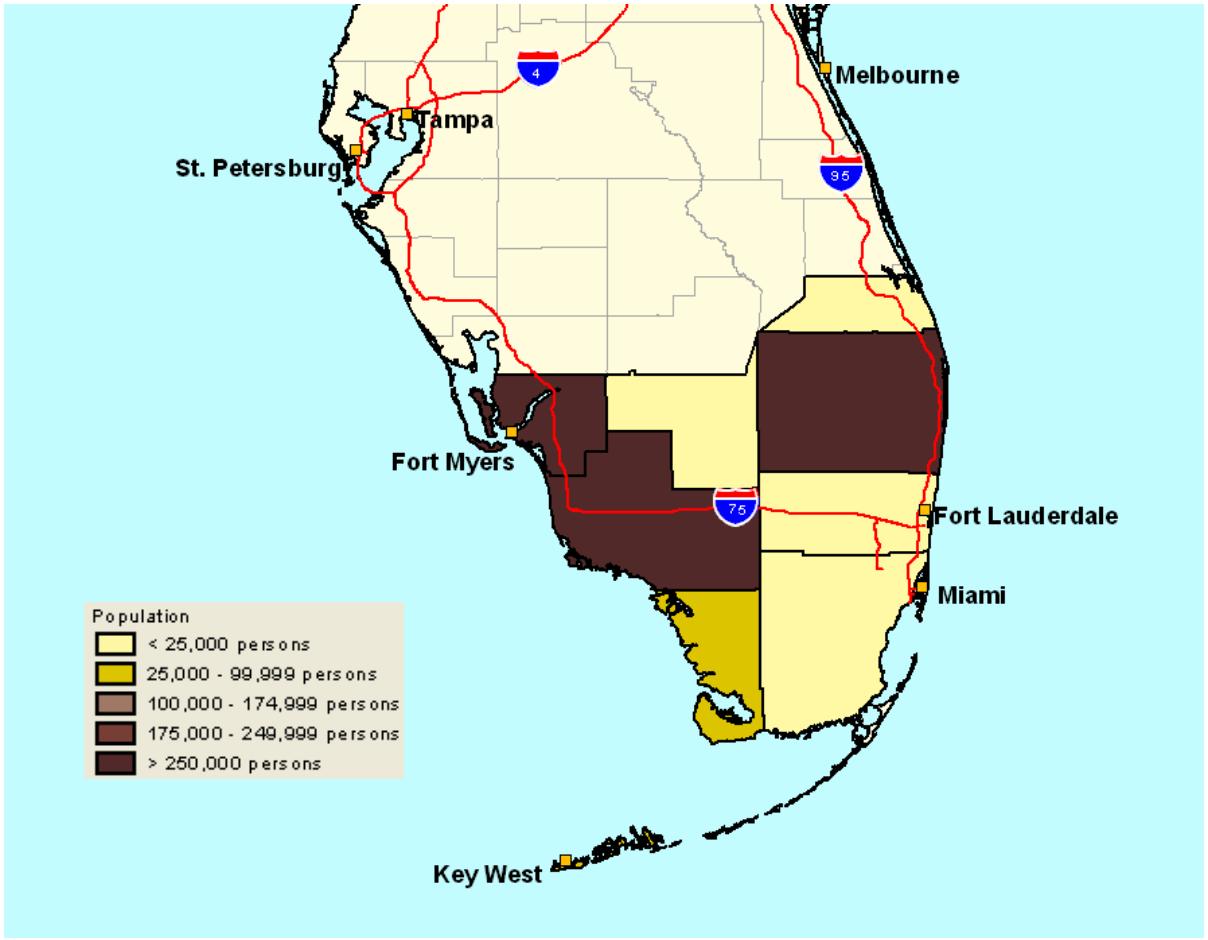
Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Population Model

Landfall Expected In About **24** Hours

For Official Use Only!



Most Probable Landfall Population Model Results

Florida – 1,077,000 persons

Model results per county on following page

This model is based on a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2

Information provided on this page displays a a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall. These projections are based on information from the NHC ***(0500 EDT 10/23/2005)*** forecast. The number of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers **Hurricane Wilma Population Model**

Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Population Model

Landfall Expected In About **24** Hours

For Official Use Only!

State	County	Population / Cty
Florida		
	Broward	6,000
	Collier	250,000
	Dade	11,000
	Hendry	12,000
	Lee	355,000
	Martin	15,000
	Monroe	55,000
	Palm Beach	373,000
TOTAL		1,077,000

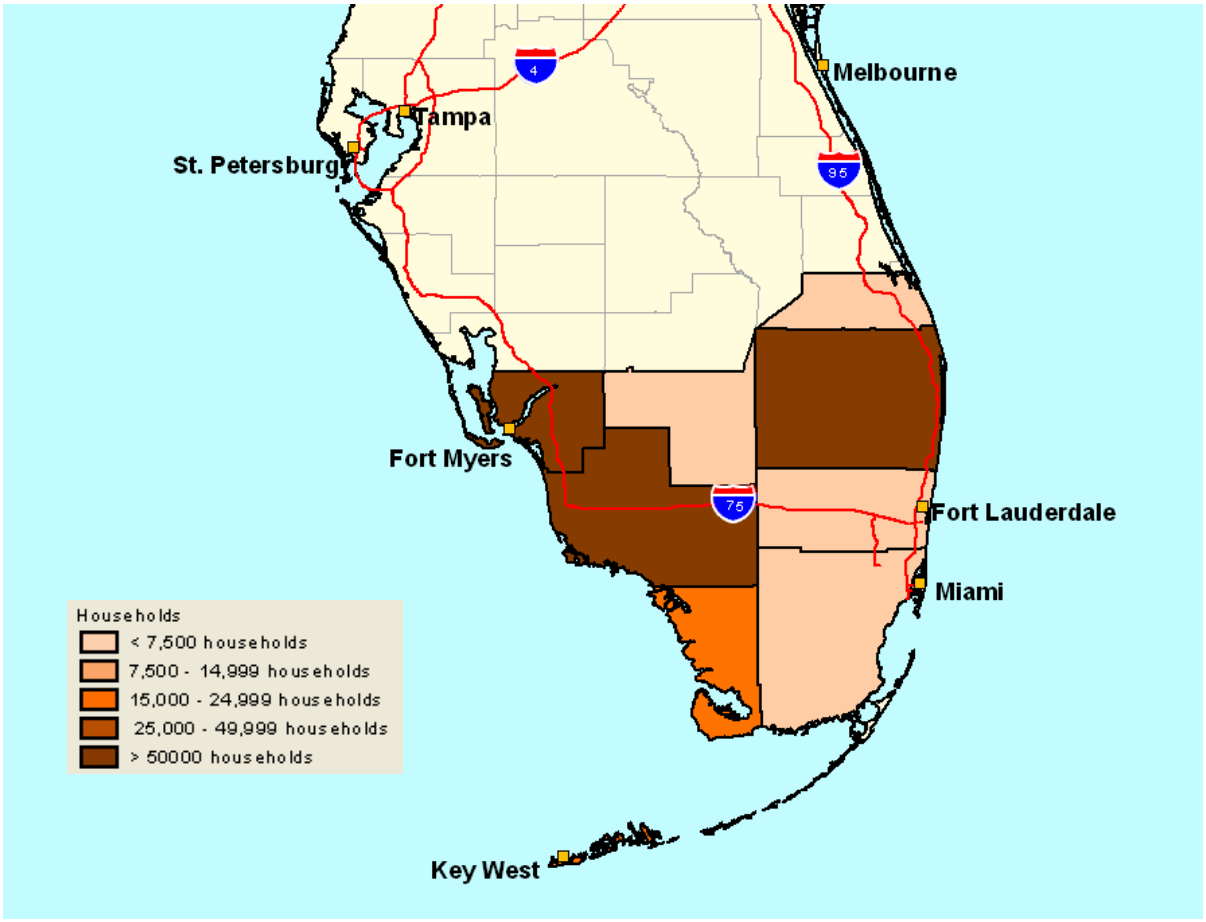
The number of persons estimated to be within hurricane force winds comes from Census 2000 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Wilma Households Model

Landfall Expected In About **24** Hours

For Official Use Only!



Most Probable Landfall Households Model Results

Florida – 441,000 households

Model results per county on following page

This model is based on a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at

Information provided on this page displays a a high Category 1 storm making landfall near Naples, FL. A small amount of Category 2 winds may occur at landfall. These projections are based on information from the NHC ***(0500 EDT 10/23/2005)*** forecast. The number of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Wilma Households Model

Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Households Model

Landfall Expected In About **24** Hours

For Official Use Only!

State	County	Households / Cty
Florida		
	Broward	2,000
	Collier	102,000
	Dade	3,000
	Hendry	3,000
	Lee	152,000
	Martin	6,000
	Monroe	24,000
	Palm Beach	149,000
TOTAL		441,000

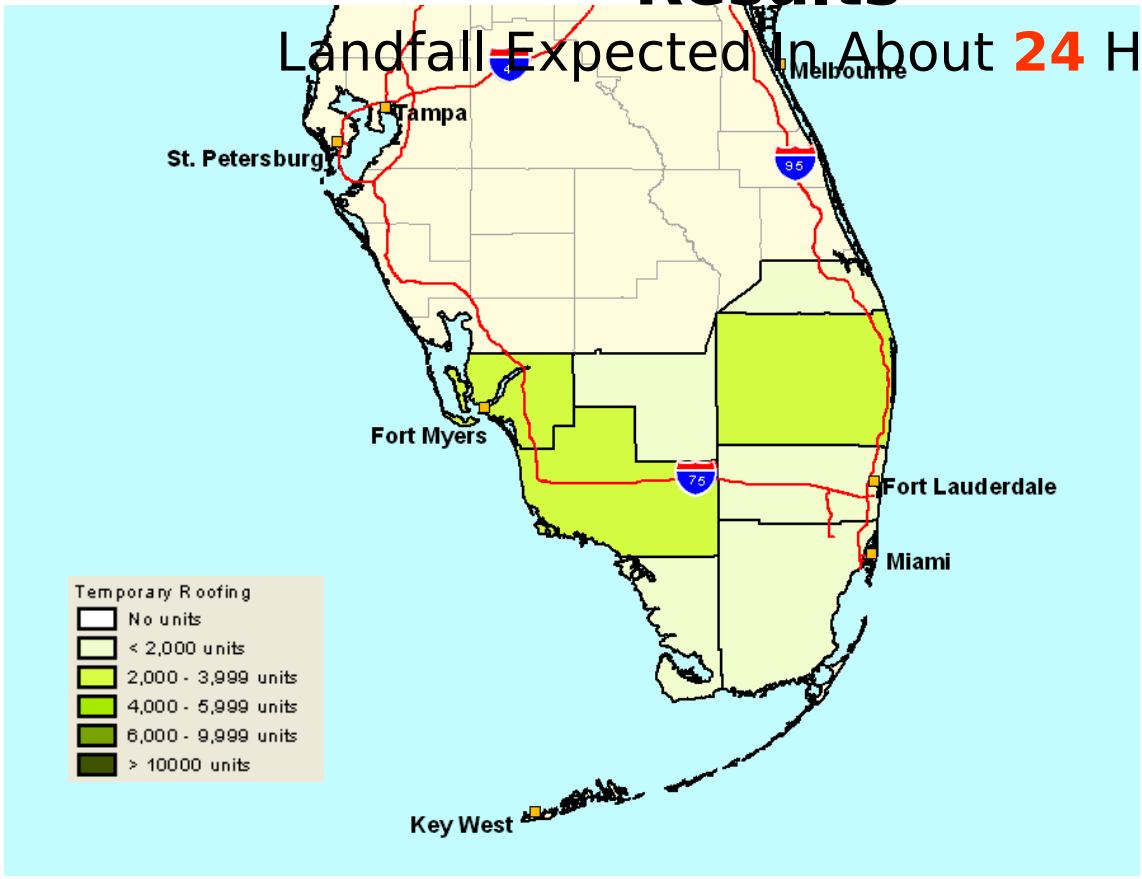
The number of households estimated to be within hurricane force winds comes from Census 2000 values.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Wilma Temporary Roofing Model Results

Landfall Expected In About **24** Hours

For Official Use Only!



Most Probable Landfall Temporary Roofing Model Results

Florida – 9,100

Model results per county on following page

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Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Wilma Roofing Model

Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Temporary Roofing Model Results

Landfall Expected In About **24** Hours

For Official Use Only!

State	County	Roofs / County
Florida		
	Broward	100
	Collier	2,200
	Dade	100
	Hendry	100
	Lee	3,000
	Martin	100
	Monroe	500
	Palm Beach	3,000
TOTAL		9,100

THIS IS AN EXPERIMENTAL MODEL !! THE VALUES ARE PRELIMINARY AND SHOULD BE CONSIDERED A GUIDE BUT NOT AN ABSOLUTE VALUE !!

The amount of temporary roofing that may be required is based on 2% of housing units damaged in CAT 1 wind areas and 4% of housing units damaged in CAT 2 wind areas. This only indicates possible need – not necessarily a mission to repair roofs.

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US Army Corps of Engineers

Hurricane Wilma Roofing Model

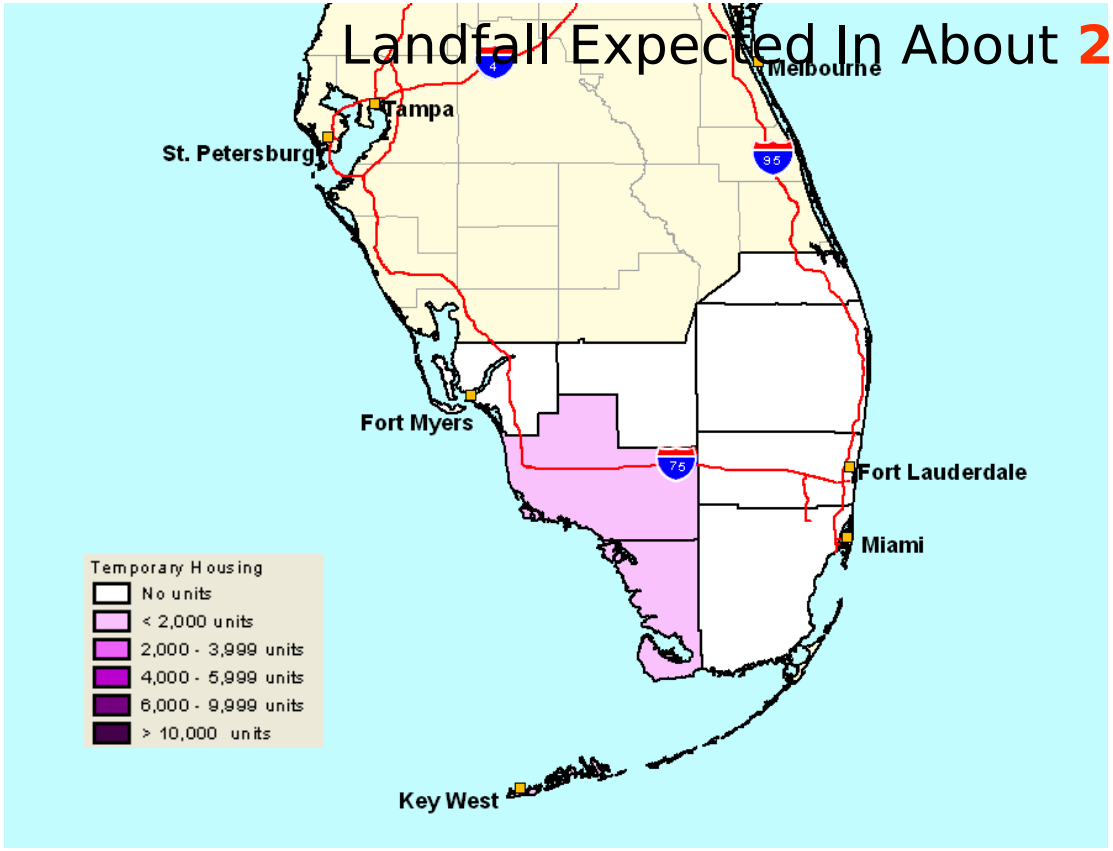
Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Temporary Housing Model Results

For Official Use Only!

Landfall Expected In About **24** Hours



Most Probable Landfall Temporary Housing Model Results

Florida – 200

Model results per county on following page

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US Army Corps of Engineers

Hurricane Wilma Housing Model

Generated By
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Wilma Temporary Housing Model Results

For Official Use Only!

Landfall Expected In About **24** Hours

State	County	Housing / Cty
Florida		
	Broward	0
	Collier	100
	Dade	0
	Hendry	0
	Lee	0
	Martin	0
	Monroe	100
	Palm Beach	0
TOTAL		200

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The amount of temporary housing that may be required is based on no housing need in CAT 1 wind areas and 2% of housing units requiring replacement in CAT 2 wind areas.

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US Army Corps of Engineers

Hurricane Wilma Housing Model

Generated By:
LaDue and Siemsen, LRL 0700 EDT 10/23/2005

Sources:
HURREVAC
LRL-DEBRIS